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No. VIII.

Catalogue of Plants collected during a Journey to and from the Rocky Mountains, during the summer of 1820. By E. P. James, attached to the Exploring Expedition commanded by Major S. H. Long, of the United States Engineers. And by the Major communicated to the Society, with the permission of the Hon. J. C. Calhoun, Secretary of War.

THE Collection of Plants made during the excursion of the exploring party commanded by Major Long, in the summer of 1820, contains a considerable number of species not enumerated in this Catalogue.

These have been necessarily withheld, for want of opportunity to make the requisite comparisons. Such only are given, with a few exceptions, as have already been ascertained to belong to the Flora of North America.

In the arrangement and nomenclature, Nuttall's "Genera of North American Plants" has been principally followed.

E. P. JAMES.

CLASS I.—Order 1.

HIPURIS vulgaris. *Linn.*

Order 2.

CALLITRICHE verna. *Willd.* C. autumnalis.

CORISPERMUM hyssopifolium. On the Missouri.

BLITUM chenopodioides. *Nutt.* On the Platte and Arkansaw, on arid and saline soils.

CLASS II.—Order 1.

VERONICA officinalis. *Linn.* *V. serpyllifolia*. *V. agrestis*. *V. arvensis*. *V. peregrina*. These five species are naturalised and common throughout the middle States. *V. beccabunga*. In small streams throughout the northern and middle States, and in Upper Louisiana. *V. scutellata*. *V. anagallis*. On the Platte. *V. plantaginea*. N. S.? Flowers spiked, uni-bracteate. Capsule nearly orbicular, dehiscent at the margin. Radical leaves numerous and large, oval-lanceolate, stiped. Margin crenate. Those of the scape few, sessile, and alternate. Spike long, dense-flowered.

This plant, so unlike in habit and appearance to the American Species of *Veronica*, seems referable to no other Genus among the *Pediculariæ* of *Jussieu*, to which it is manifestly nearly allied. Habitat on open plains within the Rocky Mountains; flowering in June and July.

LEPTANDRA virginica. *Nutt.* On the Arkansaw.

GRATIOLA aurea. *G. virginica*. *G. aluminata*. *G. fontinalis*, N. S.? On the Missouri.

LINDERNIA dilatata. *Muhlenberg.* *L. attenuata*. On the Canadian fork of the Arkansaw.

BIGNONIA catalpa. At Old Smithland, near the mouth of the Tennessee river.

JUSTICIA pedunculosa. *Pursh.*

UTRICULARIA fibrosa. *Walter.* *U. longirostris*. *Le Conte.* *U. gibba*. *U. cornuta*.

PINGUICULA acutifolia.

LYCOPUS vulgaris. *L. virginicus*. *L. obtusifolius*.

CUNILA mariana.

HEDEOMA glabra: (*Cunila glabella*. *Muhl. Cat.*) *H. pulegioides*. *H. hirta* of *Nuttall* about the Paunee Villages.

MONARDA fistulosa. Ohio. *M. purpurea*. *M. punctata*. *M. rugosa*. *M. clinipodia*.

SALVIA trichostemoides. On the Missouri.

COLLINSONIA canadensis. *C. ovalis*.

CIRCAEA lutetiana. *C. alpina*.

LEMNA polyrhiza. *L. minor*.

CLASS III.—Order 1.

VALERIANA pauciflora.

FEDIA radiata.

IRIS cristata. *I. versicolor*. *I. tripetala*.

SISYRINCHIUM anceps. *S. mucronatum*. *Nutt.* On the Platte.

CALYMENIA nyctaginea. *Mich.* *C. albida*. *C. angustifolia*. Platte.

COMMELINA communis. *C. erecta*.

LEPTANTHUS ovalis. New York.

POLYCNUM americanum. *Nutt.* On the Platte.

XYRIS anceps.

SCIRPUS acicularis. *S. capillaceus*. *S. trichodes*. *S. simplex*. *S. filiformis*. *S. palustris*. *S. quadrangulatus*. *S. mucronatus*. *S. lacustris*. *S. debilis*. *S. autumnalis*. *S. coarctatus*. *S. sulcatus*. *S. exaltatus*. *S. divaricatus*. *S. polyphyllus*. *S. puberulus* (*Fimbristylis puberulum*. *Nutt.*)

S. retrofractus. S. cyperiformis. S. macrostachyos. S. brunneus. S. atrovirens. S. pendulus.

RHYNOSPORA alba.

SCHOENUS setaceus.

CYPERUS fasciculatus. C. poeiformis and uncinatus of Pursh. On the Canadian. C. autumnalis. C. compressus. C. filiculmis. C. flavescens. C. gracilis. C. tenuiflorus. C. strigosus. C. tetragonus. C. flavicomus.

DULICHIMUM spathaceum.

TRICHOPHORUM cyperinum.

ERIOPHORUM cæspitosum. E. polystachium. E. angustifolium. E. virginicum.

CENCHRUS echinatus. Very abundant in the sandy soils on the Canadian.

LIMNETIS glabra. On the Missouri and La Platte.

NARDUS stricta.

MIEGIA macrosperma. Persoon. Cane. Commencing on the Ohio near Louisville, and found on all the rivers to the south.

ORYZOPSIS asperifolia. Mich. New York and Pennsylvania.

ERIOCOMA cuspidata. Nutt. (Stipa membranacea. Pursh.) On the Platte.

Order 2.—Proper Grasses.

MUHLENBERGIA diffusa. Schreber. Common. M. erecta.

TRICHODIUM laxiflorum. Muhl. T. decumbens. Muhl.

LEERSIA virginica. Pursh. Ricegrass. L. oryzoides. L. lenticularis.

AGROSTIS tenuiflora. A. spica venti. A. pauciflora. A. setosa. In mountain marshes. A. stricta. A. canina. A. sericea. A. decumbens. A. vulgaris. A. aspera. A. clandestina.

CALAMAGROSTIS mexicana. Nutt. (Arundo agrostoides. Pursh.) C. canadensis.

ANTHOXANTHUM odoratum.

BECKMANNIA erucæformis. On the Platte.

CRYPISIS squarrosa. Nutt. Near the Rocky Mountains.

PHLEUM pratense.

POLYPOGON ramosum. Nutt. Agrostis racemosa. Mich. On the Missouri.

ALOPECURUS geniculatus. A. pratensis.

PANICUM crus-galli. P. Walteri. P. virgatum. P. nitidum. P. dichotomum.

P. capillare. P. latifolium. P. scoparium. P. pauciflorum. P. scabriusculum. P. nervosum. P. villosum. P. barbulatum. P. angustifolium. P. divergens. P. elongatum.

PENNISETUM glaucum. P. viride. P. verticillatum. P. italicum.

DIGITARIA sanguinalis. P. villosa. P. paspalodes.

PASPALUM purpurascens. P. vaginatum.

ARISTIDA oligantha. A. dichotoma. A. pallens. On the Platte.

STIPA avenacea. S. canadensis. S. sericea. Very common and troublesome on the Missouri and Platte. The pungent stipe of the seed penetrating the firmest cloathing. The long awn is hygrometric. S. bicolor. S. stricta. S. parviflora. Nutt.

ANDROPOGON nutans. A. avenaceum. A. macrourum. A. virginicum. A. tetrastachium. Elliott. A. furcatum.

AIRA aquatica. A. obtusata. A. cæspitosa. A. mollis.

HOLCUS lanatus.

SESLERIA dactyloides. Nutt. On the Platte.

POA trivialis. P. pratensis. P. viridis. P. nemoralis. P. annua. P. compressa. P. nervata. P. parviflora. P. tenella. P. eragrostis. P. repens. On the Mississippi.
 UNIOLA spicata. U. paniculata. U. latifolia.
 WINDSORIA poaeformis. Nutt. W. ambigua.
 DANTHONIA spicata. Nutt.
 FESTUCA tenella. F. elatior. F. polystachya. F. diandra. F. fluctans. F. nutans. F. spicata. On the Missouri.
 BROMUS secalinus. B. mollis. B. purgans. B. ciliatus. B. altissimus.
 KOELERIA cristata. K. nitida. On the Missouri.
 ARUNDO cinnoides.
 ATHEROPOGON apludioides. A. oligostachium. Nutt.
 LEPTURUS paniculatus. Nutt. On the Platte.
 ANTHOPOGON lepturoides. Nutt.
 ÆGILOPS hystrix. Nutt. On the Missouri and La Platte.
 ELYMUS canadensis. E. villosus. E. striatus. E. hystrix.
 HORDEUM jubatum. (Wild Barley.) H. pusillum. Nutt. On the Missouri.

Order 3.

MOLLUGO verticillata.
 LECHEA major. L. minor. L. thymifolia. L. tenuifolia.
 PROSERPINACA palustris. P. pectinacea.

CLASS IV.—Order 1.

CEPHALANTHUS occidentalis.
 DIPSACUS sylvestris.
 GALIUM trifidum. G. latifolium. G. tinctorium. G. asprellum. G. triflorum. G. hispidulum. G. circaeans. G. boreale.
 DIODIA virginica. On the Canadian.
 HOUSTONIA cærulea. H. tenella. H. serpyllifolia. H. angustifolia.
 MITCHELLA repens.
 ELEAGNUS argentea.
 LUDWIGIA sphærocarpa. E. lanceolata.
 ISNARDIA palustris.
 CORNUS florida. C. circinata. C. sericea. C. asperifolia. C. stricta. C. sanguinea. C. alba. C. paniculata. C. alternifolia.
 CENTUNCULUS lanceolata.
 PLANTAGO major. P. lanceolata. P. cordata. P. cucullata. P. interrupta. P. virginica. P. lagopus* of Pursh. (P. gnaphaloides of Nuttall.) This species constitutes almost the only vegetation in extensive tracts of the gravelly plains on the upper part of the Platte. P. pusilla. Nutt. Collected by Dr. L. C. Beck on the Illinois river. P. glabra. Nutt. In moist soils and on the upper part of the Platte.
 CENTAURELLA paniculata.
 FRASERA Waltheri. Near the Rocky Mountains, on the Arkansas.
 AMMANIA ramosior. A. humilis.
 SYMPLOCARPOS foetida.

* This name has been previously employed for another species.

Order 2.

HAMAMELIS virginica. A variety, or perhaps a distinct species, is found about the Hot Springs of the Washita.

SANGUISORBA canadensis.

Order 4.

MYGINDA myrtifolia. Nutt. On the Rocky Mountains, about the high peak.

ILEX opaca. On the Washita, Ohio, Cumberland, &c. **I. vomitoria.** On the Washita, where the leaves are much used as a substitute for tea. **I. prinoides.** **I. canadensis.**

SAGINA procumbens.

POTAMOGETON natans. **P. fluitans.** **P. heterophyllum.** **P. setaceum.** **P. perfoliatum.** **P. lucens.** **P. crispum.** **P. gramineum.** **P. pectinatum.**

CLASS V — Order 1.

MYOSOTIS scorpioides. **M. arvensis.** **M. virginiana.** **M. lappula.** **M. glomerata. Nutt.**

LITHOSPERMUM arvense. **L. latifolium.** **L. angustifolium.** **L. apulum.**

BATSCHIA Gmelini. **B. canescens.** **B. longiflora.** **B. decumbens. Nutt.**

CYNOGLOSEUM officinale. **C. amplexicaule.**

PULMONARIA virginica. **P. ciliata.** N. S. ? In the crevices of rocks along the streams within the Rocky Mountains.

ONOSMODIUM hispidum. **O. molle.**

LYCOPSIS arvensis.

PHACELIA bipinnatifida. **P. fimbriata.** **P. parviflora.**

HYDROPHYLLUM appendiculatum. **H. virginicum.** **H. canadense.**

ANDROSACE occidentalis On the Platte

DODECATHEON meadia. **D. integrifolium.**

MENYANTHES trifoliata

SAMOLUS valerandi On the Canadian, and near Lake Champlain.

LYSIMACHIA angustifolia. **L. racemosa.** **L. quadrifolia** **L. ciliata.** **L. hybrida** **L. thyrsiflora.**

DIAPENSIA lapponica **D. barbulata.** On the gravelly plains of the Platte.

CONVOLVULUS trichosanthes. Mich. **C. sæpium.** **C. stans.** **C. obtusifolius.** **C. panduratus.**

IPOMAEA coccinea.

CANTUA coronopifolia. **C. aggregata.** On the Canadian

PHLOX acuminata **P. pilosa.** **P. undulata.** **P. subulata?** On the upper part of the Platte.

COLLOMIA linearis Nutt. Near the Rocky Mountains.

POLEMONIUM reptans.

SOLANUM nigrum. **S. dulcamara.** **S. virginicum.** **S. carolinense.** **S. triflorum?** **S. hirsutum** This plant appears to be distinct from the **S. triflorum** of *Nuttall*. Stem hirsute, as are also the leaves; peduncles about 3-flowered, alternating with the leaves. Habitat on the Platte, commencing near the Paunee Villages, and continuing to the mountains. I have never seen it, except immediately about the burrowing places of the marmots or prairie dogs, where it is almost constantly found.

- ANDROCERA lobata* Nutt. (*Solanum heterandrum*. Ph.) Common throughout all the country on the Platté, and the upper part of the Arkansaw.
PHYSALIS viscosa P. *pennsylvanica*. P. *obscura*.
DATURA stramonium. *HYOSCYAMUS niger*. Both naturalised.
VERBASCUM thapsus. V. *blattaria*. V. *lychnites*.
SPIGELIA marylandica. In Kentucky and the Arkansaw Territory.
SABBATIA angulosa. S. *gracilis*.
AZALEA nudiflora. A. *canescens*. A. *bicolor*.
BUMELIA oblongifolia Nutt. On the Mississippi.
CAMPANULA decipiens. Persoon. C. *divaricata*. C. *americana*. C. *erinoides*. C. *amplexicaulis*. C. *uniflora* of Persoon? A small but beautiful species with a single terminal flower. Habitat in the grassy plains about the head waters of the Arkansaw.
CAPRIFOLIUM sempervirens. C. *parviflorum*. On the Mississippi.
XYLOSTEUM ciliatum.
SYMPHORIA glomerata. S. *racemosa*.
DIERVILLA Tourneforti. About the Rocky Mountains.
TRIOSTEUM perfoliatum. T. *parviflorum*.
RIBES albinervium. R. *rigens*. R. *resinosum*. R. *sanguineum*. R. *aureum*. R. *recurvatum*. R. *pennsylvanicum*. R. *nigrum*. R. *hirtellum*. R. *gracile*. R. *triflorum*.
DROSERA rotundifolia. D. *longifolia*.
VITIS labrusca. V. *æstivalis*. V. *cordifolia*. V. *riparia*. V. *rotundifolia*. A new Species of *Vitis* is found on the Arkansaw, which having not seen in flower, I must omit.
CISSUS ampelopsis. C. *hederacea*. C. *bipinnata*. On the Canadian.
IMPATIENS fulva. I. *pallida* Nutt.
VIOLA pedata. V. *palmata*. V. *sagittata*. V. *primulifolia* Ph. V. *cucullata*. V. *asarifolia* Ph. V. *blanda*. V. *lanceolata*. V. *canadensis*. V. *stricta*. V. *debilis*. V. *rostrata*. V. *pubescens*. V. Nuttalli. V. *concolor*.
CLAYTONIA virginica. C. *spathulæfolia*. C. *alsinoides*.
RHAMNUS alnifolius.
ZIZYPHUS volubilis.
CEANOTHUS americanus. C. *intermedius*. Missouri. C. *sanguineus*.
EUONYMUS americanus. E. *angustifolius*.
CELASTRUS scandens.
THESIMUM umbellatum Linn. (*Comandra umbellata* Nutt.)
QUERIA canadensis.

Order 2.

- ECHITES difformis*.
APOCYNUM cannabinum. A. *androsemifolium*. A. *hypericifolium*.
GONOLOBUS macrophyllus. G. *viridiflorus*.
ASCLEPIAS syriaca. A. *phytolaccoides*. On the Platte. A. *parviflora*. A. *incarnata*. A. *obtusifolia*. A. *amplexicaulis*. A. *viridis*. A. *cinerea*. A. *verticillata*. A. *longifolia*. A. *lanuginosa* Nutt. A. *tuberosa*.*
GENTIANA crinita. G. *pneumonanthe*. G. *saponaria*. G. *ochroleuca*. G. *alba*. G. *angustifolia*.

* All these species, except *A. viridis*, *tuberosa*, and *lanuginosa*, I have seen on the Platte or Arkansaw, and the latter species on the Canadian.

EVOLVULUS argenteus. Nutt.
HEUCHERA villosa.
PANAX trifolium. P. quinquefolium.
SANICULA marylandica. S. canadensis.
AMMI capillaceum.
CONIUM maculatum?
SELINUM canadense. (Ferula canadensis? Linn.)
HERACLEUM lanatum. H. sphondylium. On the Missouri.
FERULA villosa. Nutt. F. fœnicularia. Nutt. On the prairies of Grand River.
ANGELICA triquinata. A. atropurpurea. A. lucida.
Sium latifolium. S. lineare.
ERIGENIA bulbosa. Nutt. (Hydrocotyle bipinnata. Muhl.) On the Ohio.
CICUTA maculata. C. bulbifera.
MYRRHIS canadensis. (Sison canadense.)
URSAPERMUM Claytoni. Nutt.
CHAEROPHYLLUM procumbens.
SESELI divaricatum.
SMYRNIUM integerrimum. S. trifoliatum. (S. cordatum. Pursh.) S. aureum.
ATRIPLEX canescens. A. argentea. Nutt. On the Platte.
CHENOPODIUM album. C. hybridum. C. Botrys. C. ambrosioides. C. an-
thelminticum. C. subspicatum.
SALSOLA salsa. On the upper part of the Canadian.
KOCHIA dioica. Nutt. On the Platte.
ULMUS americana. U. nemoralis. U. fulva. U. alata? Very common in the
Arkansaw Territory, and in Missouri.
PLANERA aquatica.
CELTIS occidentalis, var. integrifolia. Nutt. C. tenuifolia.

Order 3—4.

VIBURNUM prunifolium. V. pyriform. V. lentago. V. nudum. V. denta-
tum. V. pubescens. V. lantanoides. V. acerifolium. V. oxycoccus.
SAMBUCUS canadensis. S. pubescens.
RHUS typhinum. R. glabrum. R. viridiflorum. R. vernix. R. toxicoden-
dron. R. radicans. R. aromaticum.
STAPHYLEA trifoliata.
SAROTHTA hypericoides. Nutt. (S. gentianoides. Ph.)
PARNASSIA palustris. P. caroliniana. P. asarifolia.

Order 5—6.

ARALIA nudicaulis. A. racemosa. A. hispida. A. spinosa.
LINUM Lewisii. Ph. L. virginicum. L. rigidum.
ZANTHORRHIZA apiifolia.

CLASS VI.—*Order 1.*

TRADESCANTIA virginica. T. rosea.
CAULOPHYLLUM thalictroides.
MAHONIA aquifolia. Nutt. (Berberis aquifolium. Ph.) On the Rocky Moun-
tains.
PRINOS verticillatus. P. ambiguus. P. lævigatus. P. lanceolatus.

- PANCRATIUM mexicanum*. *P. rotatum*.
ALLIUM fragrans. *A. striatum*. *A. angulosum*. *A. stellatum*. *A. triflorum*.
A. canadense.
BRODIAEA grandiflora. On the Missouri.
HYPOXIS erecta. *H. graminea*.
YUCCA angustifolia. *Nutt.*
AGAVE virginica.
PHALANGIUM esculentum. (*P. quamash. Pursh.*) On the Ohio and Arkansas, &c.
NARTHECIUM americanum.
LILIUM pennsylvanicum. *L. canadense*. *L. philadelphicum*.
ERYTHRONIUM lanceolatum. *Ph. E. albidum. Nutt.*
UVULARIA perfoliata. *U. flava*. *U. grandiflora*. *U. sessilifolia*.
STREPTOPUS distortus. *S. roseus*.
SMILACINA umbellata. *S. stellata*. *S. racemosa*.
POLYGONATUM canaliculatum. *P. multiflorum*. *P. latifolium*.
ORONTIUM aquaticum.
ACORUS calamus.
JUNCUS acutus. *J. glomeratus*. *J. effusus*. *J. filiformis*. *J. setaceus*. *J. marginatus*. *J. nodosus*. *J. polycephalus*. *J. sylvaticus*. *J. acuminatus*.
J. aristatus. *J. bulbosus*. *J. tenuis*. *J. bufonius*. *J. compestris*. *J. melanocarpus*.
FLOERKIA proserpinacoides. Willd. Very common about Franklin.

Order 3.

- CALOCHORTUS elegans. Ph.* Within the Rocky Mountains.
MELANTHIUM hybridum. On the Missouri.
VERATRUM viride. *V. parviflorum*. *V. angustifolium*.
HELONIAS erythrosperma.
SCHEUCHZERIA palustris.
GYROMIA virginica. Nutt. (*Medeola. Linn.*) *G. picta* ? *Nutt.*
TRILLIUM sessile. *T. cernuum*. *T. pictum*. (*T. erythrocarpum. Mich. Nutt.*)
T. erectum.
RUMEX sanguineus. *R. crispus*. *R. verticillatus*. *R. britannicus*. *R. crispatus*. *R. aquaticus*. *R. acetosella*. (*Lapathum acetosellum.*) *R. venosus*.

Order 6.

- ALISMA plantago*.

CLASS VII.—Order 1.

- TRIENTALIS americana*. A variety of *T. europea*.
ÆSCULUS Pavia. *Æ. discolor*. *Æ. flava*. *Æ. macrostachya*.

CLASS VIII.—Order 1.

- RHEXIA virginica*. *R. ciliosa*.
ŒNOTHERA biennis. *Œ. muricata*. *Œ. parviflora*. *Œ. grandiflora*. *Œ. sinuata*. *Œ. albicaulis. Nutt.* On the Platte. *Œ. pinnatifida. Nutt.*

Æ. caespitosa. Nutt. Æ. serrulata. Nutt. Æ. fruticosa. Æ. alata. Nutt. (Æ. macrocarpa. Ph.) On the Canadian.

GAURA biennis. *G. angustifolia. G. coccinea.* Two other Species apparently undescribed are met with about the south-west branches of the Arkansaw.

EPILOBIUM spicatum. *E. tetragonum. E. coloratum. E. palustre. E. alpinum.*

OXYCOCCUS macrocarpus. *O. hispidulus. (Gaultheria hispidula. Ph.)*

ACER rubrum. *A. dasycarpum.* Common on the Ohio, Cumberland, &c. *A. barbatum. A. saccharinum. A. nigrum. A. striatum. (Moose wood.) A. montanum. A. negundo. (Negundo fraxinifolium of Nuttall.)* This last species extends westward to the valleys within the Rocky mountains.

DIRCA palustris. Most common in the northern States.

JEFFERSONIA diphylla. On the Ohio.

Order 2.

CHRYSOSPLENIUM oppositifolium.

Order 3.

POLYGONUM aviculare. Common on the Platte and Arkansaw, near the mountains. (*P. glaucum? Nutt.*) *P. tenue. P. hydropiperoides. Mich. (punctatum. Elliott.) P. mite. P. hirsutum. P. virginianum. P. coccineum. P. pennsylvanicum. P. persicaria. P. sagittatum. P. arifolium. P. cilinode. P. scandens. P. articulatum.*

CARDIOSPERMUM helicacabum. Very abundant on the Canadian, two hundred miles above its confluence with the Arkansaw. Undoubtedly a native.

CLASS IX.—Order 1.

LAURUS benzoin. *L. sassafra.*

ERIOGONUM tomentosum. *Ph. E. flavum. Nutt. E. parviflorum. Nutt.* This genus abounds near the Rocky Mountains.

CLASS X.—Order 1.

ARBUTUS uva-ursi. On the Rocky Mountains.

GAULTHERIA procumbens.

VACCINEUM stamineum. *V. album. V. dumosum. V. frondosum. V. resinosum. V. corymbosum. V. nitidum.* I have seen none of this Genus on or about the Rocky Mountains. Many of them are found in the Massernes.

ANDROMEDA polyfolia. *A. calyculata. A. angustifolia. A. spinulosa. Ph. A. racemosa.*

KALMIA latifolia. *K. angustifolia. K. glauca.*

RHODODENDRUM maximum.

EPIGAEA repens.

PTEROSPORA andromedea. *Nutt. At Albany and Greenbush, N. Y.*

MONOTROPA lanuginosa. (*Hypopithys lanuginosa. Nutt.*) *M. uniflora.*

PYROLA uniflora. *P. minor. P. secunda. P. rotundifolia. P. chlorantha. (P. asarifolia. Mich.*

CHIMAPHILA maculata. C. umbellata.
 LEDUM latifolium. In sphagnose swamps.
 CLETHRA tomentosa. C. alnifolia.
 MELIA azederach? Indigenous on the Canadian.
 JUSSIEUA leptocarpa. Nutt.
 CASSIA ligustrina. C. linearis. C. marylandica. C. fasciculata. C. nictitans. C. chamæchrista.
 SOPHORA sericea. Nutt. On the Platte.
 BAPTISIA leucophæa. Nutt. On the Missouri. B. cœrulea. B. mollis. B. tinctoria.
 THERMIA rhombifolia. Nutt. On the Platte.
 CERCIS canadensis.

Order 2.

SAXIFRAGA nivalis. Flowering in July among the snows of the Rocky Mountains. S. virginica. S. pennsylvanica.
 TIARELLA cordifolia. T. trifoliata.
 MITELLA diphylla. M. cordifolia. M. reniformis.
 SAPONARIA officinalis.
 SCLERANTHUS annuus.

Order 3.

CUCUBULUS stellatus.
 SILENE quinquevulnera. S. pennsylvanica. S. virginica. S. regia. S. rotundifolia. Nutt.
 STELLARIA pubera. S. media. S. graminea. S. uliginosa.
 ARENARIA latifolia. A. serpyllifolia. A. thymifolia. A. juniperina.
 MICROPETALON lanceolatum. M. gramineum. M. lanuginosum.

Order 5.

SPERGULA arvensis. S. saginoides.
 CERASTIUM vulgatum. C. viscosum. C. semidecandrum. C. glutinosum. Nutt. (C. nutans? Rafinesque.) C. arvense. C. tenuifolium. C. elongatum. One or two species, apparently undescribed, are found about the Rocky Mountains.
 AGROSTEMMA githago.
 OXALIS acetosella. O. violacea. O. corniculata. O. stricta. O. Dillenii.
 PENTHORUM sedoides.
 SEDUM pulchellum. S. ternatum. S. stenopetalum. Pursh. On the Rocky Mountains.

Order 6.

PHYTOLACCA decandra.

CLASS XI.—Order 1.

CACTUS mammillaris. C. viviparus. Nutt. C. ferox. C. fragilis.
 These four Species of Cactus are very common on the arid plains of the Platte and Arkansas, near the mountains. C. ferox I have seen growing

at a great elevation upon the sides of the Rocky Mountains. *C. cylindricus*? Arborescent, rising to a height of eight or ten feet and much branched. Habitat about the head waters of the Arkansaw and Canadian, where are also two other shrubby Species.

BARTONIA nuda. *B. ornata*.

MENTZELIA aurea. *Nutt.*

PRUNUS virginiana. *P. serotina*. *P. canadensis*. *P. borealis*. *P. pennsylvanica*. *P. nigra*. *P. pygmæa*. *P. pumila*. *P. depressa*. *P. chicasa*.

Common and certainly indigenous on the Arkansaw.

LYTHRUM verticillatum. *L. salicaria*. *L. virgatum*.

CUPHEA viscosissima.

Order 2.

AGRIMONIA eupatoria. *A. parviflora*. *A. striata*.

CRATAEGUS apiifolia. *C. spathulata*. *C. coccinea*. *C. pyrifolia*. *C. elliptica*.

C. flava. *C. punctata*. *C. crus-galli*.

Order 4.

ARONIA arbutifolia. *Nutt.* *A. melanocarpa*. *A. botryapium*. *A. ovalis*. *A. sanguinea*.

PYRUS coronaria. *P. angustifolia*.

SPIRÆA salicifolia. *S. tomentosa*. *S. hypericifolia*. *S. opulifolia*. *S. aruncus*

GILLENIA trifoliata. *G. stipulacea*.

Order 5.

ROSA blanda. *R. parviflora*. *R. nitida*. *R. gemella*. *R. carolina*. *R. rubifolia*.

RUBUS occidentalis. *R. villosus*. *R. strigosus*. *R. canadensis*. *R. cuneifolius*. *R. hispidus*. *R. trivialis*. *R. inermis*. *R. odoratus*. *R. spectabilis*?

DALIBARDA repens. *D. fragarioides*. Found mostly about mountains.

DRYAS octopetala? On the Rocky Mountains.

GEUM strictum. *G. agrimonioides*. *G. album*. *G. virginianum*. *G. geniculatum*. *G. rivale*. *G. anemonoides*.

POTENTILLA tridentata. *P. emarginata*. *P. norwegica*. *P. recta*. *P. pumila*. *P. canadensis*. *P. simplex*. *P. argentea*. *P. humifusa* *Nutt.* On the Missouri. *P. fruticosa*. On the Rocky Mountains. *P. anserina*. *P. pennsylvanica*. *P. supina*. On the Mississippi.

COMARUM palustre.

FRAGARIA canadensis. *F. virginica*.

CLASS XII.—Order 1.

TILIA glabra. *T. pubescens*. *T. heterophylla*.

HELIANTHEMUM canadense. (*Cistus canadensis*) *H. ericoides*.

PORTULACCA oleracea. Very common near the Rocky Mountains.

TALINUM teretifolium. *Pursh.*

CHELEDONIUM majus.

- STYLOPHORUM diphyllo. *Nutt.* S. petiolatum. *Nutt.*
 ARGEMONE mexicana? Flower very large, and invariably white. On the Platte.
 SANGUINARIA canadensis.
 PODOPHYLLUM peltatum.
 ACTAEA rubra. A. alba. *Bigelow.*
 SARRACENIA purpurea.
 NUPHAR lutea. N. Kalmiana. N. advena.
 NYMPHAEA odorata.
 DELPHINIUM azureum. D. exaltatum. D. virescens. *Nutt.*
 AQUILEGIA canadensis. Another most beautiful species is found growing near the limits of phænogamous vegetation, on the Rocky Mountains.
 CIMICIFUGA racemosa. C. americana.
 HYPERICUM pyramidatum. H. ascyroides. H. fasciculatum. H. tenuifolium. H. perforatum. H. corymbosum. H. parviflorum. H. angulosum. H. canadense.
 ELODEA virginica.
 LIRIODENDRON tulipifera.
 PORCELIA triloba. P. parviflora.
 ATRAGENE americana.
 CLEMATIS virginica. C. cordata. C. holosericea.
 ANEMONE ludoviciana. *Nutt.* About Council Bluffs. A. nemorosa. A. cuneifolia. A. tenella. On the Platte. A. thalictroides. A. pennsylvanica. A. dichotoma. A. virginiana.
 THALICTRUM cornuti. T. dioicum. T. rugosum. T. pubescens. T. purpurascens. T. ranunculinum.
 HYDRASTIS canadensis. On the Missouri.
 CALTHA palustris. A second Species with white flowers is found in swampy places, about the upper parts of the Rocky Mountains.
 COPTIS trifolia.
 HEPATICA triloba.
 RANUNCULUS flammula. R. lingua. R. pusillus. R. cymbalaria. R. abortivus. R. nitidus. R. sceleratus. R. auricomus. R. pygmæus. R. pennsylvanicus. R. bulbosus. R. philonotis. R. repens. R. acris. R. marylandicus. R. recurvatus. R. fluviatilis. R. amphibius. N. S.? Inhabiting stagnant waters and marshy places near the Rocky Mountains. R. intermedius? *Smith, in Rees's Encycl.* Habitat in marshy grounds, near the confluence of the Ohio and Mississippi. Flowering in January. R. ———. N. S.? Approaching R. abortivus, but much smaller. Calix and corolla very minute, scarcely visible without a magnifier. Habitat on inundated ground on the Cumberland and Tennessee Rivers, flowering in February.
 BRASENIA peltata. (*Hydropeltis purpurea.*)
 CYAMUS luteus. On the Missouri and Arkansaw, in stagnant waters.

CLASS XIII.—Order 1.

- TEUCRIUM canadense. T. virginicum.
 MENTHA borealis. M. canadensis. M. tenuis.
 ISANTHUS cæruleus.
 HYSSOPUS nepetoides. H. scrophulariæfolius.
 GALEOPSIS tetrahit.

SYNANDRA grandiflora. *Nutt.*
 STACHYS aspera. S. hyssopifolia. S. hispida. S. sylvatica.
 LEONURUS cardiaca.
 GLECHOMA hederacea.
 HYPTIS capitata. H. radiata.
 PYCNANTHEMUM incanum. P. aristatum. P. virginicum. P. muticum.
 CLINOPODIUM vulgare.
 ORIGANUM vulgare.
 DRACOCEPHALUM variegatum. D. virginianum. D. denticulatum. D. parviflorum. *Nutt.* On the upper part of the Platte.
 PRUNELLA pennsylvanica.
 SCUTELLARIA galericulata. S. lateriflora. S. integrifolia. S. pilosa. S. canescens.
 TRICHOSTEMA dichotoma.
 PHRYMA leptostachya.

Order 2.

VERBENA aubletia. V. spuria. V. hastata. V. urticifolia. V. diffusa. V. stricta.
 ZAPANIA nodiflora.
 CAPRARIA multifida.
 HERPESTIS? micrantha.
 SCROPHULARIA marylandica. S. lanceolata.
 BIGNONIA radicans.
 BUCHNERA americana.
 ANTIRRHINUM elatine. A. linaria. A. canadense.
 COLLINSONIA verna. *Nutt.* Common in Missouri.
 GERARDIA purpurea. G. tenuifolia. G. flava. G. quercifolia. G. pedicularia, var. pectinata. On the Washita.
 PEDICULARIA pallida. P. canadensis. P. flammea. On the Rocky Mountains.
 MIMULUS ringens. M. alatus. M. luteus.
 CHELONE glabra. C. obliqua.
 PENTSTEMON lævigatum. P. pubescens. P. gracile. *Nutt.* P. cristatum. *Nutt.* P. erianthera. *Nutt.* P. cæruleum. *Nutt.* P. albidum. *Nutt.* P. grandiflorum. *Nutt.* (P. Bradburii. *Pursh.*) P. coccineum. N. S.? This last plant, though closely allied, is scarcely a congener to the other Species, and may probably be referred to some other Genus. Habitat on the declivities of the Rocky Mountains. Plants of the Genus Pentstemon abound in the vicinity of the Rocky Mountains; and some of the Species extend on their sides to the extreme limits of phænogamous vegetation.
 MARTYNIA proboscidea. Common throughout Upper Louisiana to the mountains.
 EUCHROMA coccinea. *Nutt.* E. grandiflora. *Nutt.* (Castilleja sessiliflora.) At Council Bluffs.
 BARTSIA alpina.
 MELAMPYRUM lineare.
 OROBANCHE americana. O. ludoviciana. O. fasciculata. On the Canadian. O. uniflora. O. virginiana. (Epifagus americanus. *Nutt.*)

CLASS XIV.—Order 1.

DRABA verna. *D. nivalis*. *D. nemoralis*.
ALYSSUM ludovicianum. *Nutt.* (*Myagrum argenteum*. *Pursh.*)
CORONOPUS didymus.
LEPIDIUM virginicum. Common in the most remote parts of Louisiana.
THLASPI arvense. *T. alliaceum*. *T. bursa pastoris*.

Order 2.

DENTARIA laciniata. *D. diphylla*. *D. heterophylla*. *D. multifida*.
CARDAMINE spathulata. *C. teres*. *C. virginica*. *C. pennsylvanica*.
BARBAREA vulgaris.
SISYMBRIUM amphibium. *S. palustre*.
ERYSIMUM officinale. *E. parviflorum*.
CHEIRANTHUS asper. *Nutt.* On the Platte.
HESPERIS pinnatifida.
ARABIS alpina. *A. thaliana*. *A. lyrata*. *A. canadensis*. *A. pendula*. *A. hirsuta*.
STANLEYA pinnatifida. *Nutt.* *S. integrifolia*. *N. S.*? On the upper part of the Arkansaw, with the preceding.
CLEOME pentaphylla. *C. dodecandra*. *C. serrulata*. *Ph.* (*Atalanta serrulata*. *Nutt.*) On the Platte. Common.

CLASS XV.—Order 1.

LOBELIA Dortmanna. Habitat in New York and Pennsylvania. *L. amœna*.
L. Kalmii. Common in New York and New England. *L. inflata*. *L. siphilitica*. *L. cardinalis*.
PASSIFLORA lutea? On the Arkansaw.

Order 3.

GERANIUM maculatum. *G. robertianum*. *G. ———*. *N. S.*? On the Rocky Mountains.
SCHRANKIA uncinata? Apparently a second Species, with white flowers, is found on the Canadian.

Order 4.

SIDA hispida. *S. abutilon*. *S. alceoides*. *S. ———*? *S. ———*? Two species on the Platte.
MALVA rotundifolia. *M. coccinea*. *Nutt.*
HIBISCUS grandiflorus. In the Arkansaw Territory. *H. militaris*. *H. virginicus*.

CLASS XVI.—Order 1.

PETALOSTEMUM candidum. *P. violaceum*. *P. villosum*.

Order 2.

CORYDALIS cucullaria. *C. formosa*. *C. fungosa*. *C. glauca*. *C. aurea*.

POLYGALA incarnata. *P. paucifolia.* *P. senega.* *P. alba.* On the Missouri.
P. sanguinea. *P. verticillata.* *P. brevifolia.* *Nutt.*

Order 4.

AMORPHA canescens. *Nutt.* *A. nana.* *Nutt.* *A. fruticosa.* This is almost the only woody plant which is found on many extensive tracts of the plain country about the river Platte.

LUPINUS perennis. *L. argenteus.* *L. pusillus.* A suffruticose species, very large and beautiful, is found near the sources of the Canadian.

OROBUS dispar. *Nutt.* *O. longifolius.* *Nutt.*

LATHYRUS myrtifolius. *L. venosus.* *L. polymorphus.* *Nutt.*

VICIA americana. *V. sylvatica.*

PHACA villosa. *V. cæspitosa.* *Nutt.*

OXYTROPIS Lambertii. On the Platte.

ASTRAGALUS canadensis. Near Franklin Mountain. *A. carolinensis.* *A. missouriensis.* *A. hypoglottis.* *A. Laxmanni.* *A. carnosus.* *A. galegoides.* *A. gracilis.* *Nutt.* This Genus is abundant in the woodless plains of the Missouri to the mountains.

DALEA alopecuroides. *D. aurea.* *D. laxiflora.*

PSORALEA canescens. *Nutt.* *P. cuspidata.* *Nutt.* *P. esculenta.* *Nutt.* (*Pomme blanche*) used as food by the Paunees and Canadian traders. *P. incana.* *Nutt.* *P. tenuiflora.* *P. arenaria.* *Nutt.* Most of these species are found in the sandy plains of the Platte and Arkansaw. *P. onobrychis.* *Nutt.* *P. ———.* *N. S.?*

MELILOTUS officinalis. *M. psoraloides.* *Nutt.* Ohio.

TRIFOLIUM reflexum. *T. repens.* *T. pratense.* *T. arvense.* *T. stoloniferum.* *Muhl.*

STYLOSANTHES elatior.

GLYCYRRHIZA lepidota. *Nutt.* *Hab.* from St. Louis to the Rocky Mountains.

LESPEDEZA sessiliflora. *L. capitata.* *L. polystachya.* *L. violacea.* *L. procumbens.*

HEDYSARUM canadense. *H. canescens.* *H. marylandicum.* *H. ciliare.* *H. viridiflorum.* *H. cuspidatum.* *H. paniculatum.* *H. glutinosum.* *H. viridiflorum.* *H. pauciflorum.* *H. boreale.*

PHASEOLUS perennis.

APIOS tuberosa.

AMPHICARPA monoica. *Elliott.*

GALACTEA glabella.

CLITORIA virginiana.

ROBINIA pseudacacia. *R. hispida.*

TEPHROSIA virginiana.

TRIGONELLA americana. *Nutt.* On the Platte.

PRENANTHES altissima. *P. cordata.* *P. virgata.* *P. alba.* *P. racemosa.* *P. illinoensis.* *P. juncea.* *P. runcinata?* *Hab.* about the Rocky Mountains.

LACTUCA elongata. *L. integrifolia.*

SONCHUS macrophyllus. *S. leucophæus.* *S. pallidus.* *S. arvensis.* *S. oleraceus.* *S. ludovicianus.* *Nutt.* On the Platte.

HIERACIUM venosum. *H. paniculatum.* *H. marianum.* *H. runcinatum.*

KRIGIA virginica. *K. amplexicaulis.* *Nutt.* (*Hyoseris amplexicaulis.* *Mich.*)

TROXIMON glaucum. *T. marginatum.* Near the Rocky Mountains.

CNICUS lanceolatus. *C. altissimus*. *C. arvensis*. Not yet naturalised in the western States. *C. discolor*. *C. horridulus*. *C. undulatus*. *Nutt.*
LIATRIS spicata. *L. graminifolia*. *L. cylindracea*. *L. squarrosa*.
VERNONIA noveboracensis. *V. præalta*. *V. altissima*. *Nutt.* *V. angustifolia*
EUPATORIUM sessilifolium. *E. lanceolatum*. *E. ceanothifolium*. *E. purpureum*. *E. maculatum*. *E. punctatum*. *E. verticillatum*. *E. perfoliatum*.
E. ageratoides. *E. cœlestium*.
CHRYSOCOMA graveolens. *Nutt.* *C. nauseosa*. On the Missouri.
CACALIA tuberosa.
HYMENOPAPPUS tenuifolius.
SANTOLINA ? *suaveolens*. About the Rocky Mountains.

Order 2.

ARTEMISIA longifolia. *Nutt.* *A. serrata*. *Nutt.* *A. columbiensis*. *Nutt.* *A. gnaphaloides*. *Nutt.* *A. ludoviciana*. *Nutt.* *A. cernua*. *Nutt.* (*A. dracunculoides*. *Pursh.*) *A. sericea*. *A. biennis*. *A. canadensis*. Most of these species are found on the Platte.
BACCHARIS ? *angustifolia*. A shrub on the Arkansas.
GNAPHALUM margaritaceum. *G. polycephalum*. *G. purpureum*. *G. plantagineum*. *G. americanum*. *G. uliginosum*.
ERIGERON pumilum. *Nutt.* On the Platte. *E. asperum*. *Nutt.* *E. glabellum*. *Nutt.* *E. bellidifolium*. *E. purpureum*. *E. philadelphicum*. *E. strigosum*. *E. heterophyllum*. *E. canadense*.
INULA Helenium. *I. mariana*. *I. villosa*. *I. linarifolia*. *I. linifolia*. *I. alba*.
ASTER hyssopifolius. *A. tortifolius*. *A. nemoralis*. *A. pauciflorus*. On the Platte. *A. pilosus*. *A. biennis*. *A. multiflorus*. *A. sparsiflorus*. *A. squarrosus*. *A. concolor*. *A. sericeus*. *A. novæ-angliæ*. *A. cyaneus*. *A. oblongifolius*. *Nutt.* *A. undulatus*. *A. cordifolius*. *A. corymbosus*. *A. macrophyllus*. *A. spectabilis*. *A. gracilis*. *A. puniceus*. *A. novibelgii*. *A. acuminatus*. *A. lævigatus*. *A. eminens*. *A. junceus*. *A. miser*. *A. divergens*.
SOLIDAGO canadensis. *S. procera*. *S. serotina*. *S. ciliaris*. *S. reflexa*. *S. lateriflora*. *S. aspera*. *S. altissima*. *S. juncea*. *S. arguta*. *S. bicolor*. *S. petiolaris*. *S. livida*. *S. cæsia*. *S. flexicaulis*. *S. macrophylla*. *S. viminea*. *S. graminifolia*. *S. tenuifolia*.
BRACHYRIS Euthamiæ. *Nutt.*
DONIA squarrosa.
ARNICA montana. About the Rocky Mountains.
SENECIO hieracifolius. *S. elongatus*. *S. obovatus*. *S. balsamitæ*. *S. lobatus*.
BOEBERA glandulosa.
TRICHOPHYLLUM oppositifolium. *Nutt.* On the Platte. *T. ———*. *N. S.* ?
STARKEA pinnata. *Nutt.* On the Missouri, Platte, &c.
ACHILLEA tomentosa. *A. millefolium*.
HELIOPSIS lævis.
HELENIUM autumnale.
ACTINELLA acaulis. *Nutt.*

Order 3.

- GALARDIA bicolor. *Hab.* on the grassy hills of the Platte.
 HELIANTHUS tubæformis. H. atrorubens. H. divaricatus. H. frondosus. H. trachelifolius. H. giganteus. H. altissimus. H. multiflorus. H. decapetalus.
 RUDBECKIA purpurea. R. gracilis. R. columnaris. R. laciniata. R. digitata. R. pinnata. R. ramosa. N. S. *Hab.* on the Canadian.
 BIDENS cernua. B. chrysanthemoides. B. connata. B. frondosa. B. pilosa. B. bipinnata.
 COREOPSIS lanceolata. C. trichosperma. C. tripteris. C. palmata. *Nutt.*
 ACTINOMERIS helianthoides. *Nutt.* A. alata.
 SILPHIUM laciniatum. S. compositum. S. terebinthinaceum. S. lævigatum. S. trifoliatum. S. triternatum. S. atropurpureum.
 POLYMNIA canadensis. P. uvædalia.
 PARTHENIUM integrifolium.
 IVA xanthifolia. *Nutt.* I. axillaris.
 AMBROSIA trifida. A. elatior. A. artemisifolia. A. paniculata. A. tomentosa.
 XANTHIUM strumarium.

CLASS XVIII.—*Order 1.*

- ORCHIS ciliaris. O. blephariglottis. O. cristata. O. psycodes. O. spectabilis. O. rotundifolia. O. dilatata. Near the Rocky Mountains. O. fimbriata. O. orbicularis. O. incisa.
 GOODYERA pubescens. (*Neottia pubescens. Willd.*)
 NEOTTIA tortilis. N. cernua.
 POGONIA ophioglossoides. P. divaricata.
 TRIPHORA pendula. *Nutt.*
 CALOPOGON pulchellus.
 ARETHUSA bulbosa.
 MALAXIS ophioglossoides. M. liliifolia.
 CORALLORHIZA innata. C. odontorhiza. C. hyemalis.

Order 2.

- CYPRIPEDIUM candidum. C. parviflorum. C. pubescens. C. spectabile.
 ASARUM canadense.

CLASS XIX.—*Order 1.*

- CAULINIA fragilis. C. flexilis.
 PODOSTEMUM ceratophyllum.
 TYPHA latifolia. T. angustifolia.
 SPARGANIUM ramosum. S. americanum.
 CAREX scirpoidea. C. sterilis. C. squamosa. C. arenaria. C. bromoides. C. retroflexa. C. stipata. C. muricata. C. multiflora. C. leporina. C. scirpoides. C. lagopodioides. C. ovalis. C. scoparia. C. crinita. C. acuta. C. pedunculata. C. ovata. C. varia. C. subulata. C. margi-

nata. *C. vestita*. *C. tentaculata*. *C. miliaris*. *C. lupulina*. *C. plantaginea*. *C. anceps*. *C. granularis*. *C. miliacea*. *C. pseudo-cyperus*. *C. recurva*. *C. pellita*. *C. lacustris*. *C. vessicaria*.
SCLERIA triglomerata.

Order 4.

ALNUS serrulata. *A. crispa*?
DIOTIS lanata.
URTICA pumila. *U. urens*. *U. dioica*. *U. procera*. *U. chamaidroides*. *U. capitata*. *U. divaricata*. *U. canadensis*.
MORUS rubra. *M. scabra*.
AMARANTHUS albus. *A. græcizans*. *A. lividus*. *A. hybridus*. *A. paniculatus*. *A. sanguineus*. *A. retroflexus*.
MYRIOPHYLLUM spicatum. *M. verticillatum*.
SAGITTARIA sagittifolia. *S. obtusa*. *S. hastata*. *S. heterophylla*. *S. lancifolia*. *S. graminea*. *S. natans*.
QUERCUS phellos. (Willow oak) *Hab* on the Arkansaw, &c. *Q. imbricaria*. (Burriers oak) *Q. heterophylla*. *Q. monticola*. *Q. prinoides*. *Q. castanea*. *Q. bicolor*. *Q. nigra*. *Q. falcata*. *Q. tinctoria*. *Q. discolor*. *Q. rubra*. *Q. coccinea*. *Q. Catesbæi*. *Q. palustris*. *Q. ilicifolia*. *Q. alba*. *Q. stellata*. *Q. macrocarpa*. *Q. lyrata*.
CARPINUS americana.
OSTRYA virginica.
CORYLUS americana. *C. rostrata*.
FAGUS sylvatica. *F. ferruginea*.
CASTANEA americana. *C. pumila*.
BETULA populifolia. *B. excelsa*. *B. nigra*. *B. papyracea*. *B. lenta*. *B. glandulosa*.
PLATANUS occidentalis.
LIQUIDAMBER styraciflua.
JUGLANS nigra. *J. cinerea*. (*Carya*.) *J. olivæformis*. *J. sulcata*. *J. alba*. *J. tomentosa*. *J. amara*. *J. porcina*.
ARUM dracontium. *A. triphyllum*. *A. virginicum*.
CALLA palustris.

Order 8.

PINUS resinosa. *P. rigida*. *P. serotina*. *P. strobus*. *P. larix*. *P. microcarpa*. *P. flexilis*. *N. S.?*
ABIES canadensis. *A. balsamea*. *A. nigra*. *A. rubra*. *A. alba*.
THUJA occidentalis.
CUPRESSUS disticha.
ACALYPHA virginica.
CROTON ellipticum. *C. capitatum*. *C. glandulosum*.
IATROPHA stimulosa On the Canadian.
EUPHORBIA hypericifolia. *E. maculata*. *E. polygonifolia*. *E. ipecacuanha*. *E. peplus*. *E. dentata*. *E. thymifolia*. *E. marginata*.
MELOTHRIA pendula.
MOMORDICA echinata.
SYCIOS angulata.
CUUCUMIS? ———. *Hab.* on the Arkansaw. *C. pepo*. The size of a large orange.

CLASS XX.—Order 2.

VALISNERIA spiralis.

SALIX nigra *S. discolor.* *S. myricoides.* *S. cordata.* *S. rigida.* *S. lucida.*
S. planifolia. *S. rosmarinifolia* *S. fuscata* *S. conifera* *S. longifolia.*
S. angustata. *Hab.* westward to the Rocky Mountains. *S. nigra* *S.*
grisea.

FRAXINUS sambucifolia. *F. quadrangulata.* *F. epiptera.* *F. acuminata* *F.*
pubescens.

MACLURA aurantiaca. *Nutt.* (Bow wood.) On the Arkansaw and Canadian.

VISCUM rubrum. *V. purpureum.* *V. verticillatum.*

NYSSA villosa. *N. biflora.* *N. tomentosa.* *N. denticulata.*

ZANTHOXYLUM fraxineum.

ACNIDA cannabina. *A. rusocarpa.*

HUMULUS lupulus. Within the Rocky Mountains.

Order 6.

SMILAX hastata. *S. bona nox.* *S. sarsaparilla.* *S. rotundifolia.* *S. caduca.*
S. laurifolia. *S. peduncularis.* *S. herbacea.*

DIOSCOREA villosa.

GLEDITSCHIA triacanthos.

Order 8.

POPULUS balsamifera. *P. candicans.* *P. trepida.* *P. hudsonica.* *P. grandidentata.* *P. angulata.* (Cotton wood.) To the Rocky Mountains.

DIOSPYROS virginiana.

SHEPHERDIA argentea. *Nutt.* On the Platte.

UDORA canadensis. *Nutt.* (*Elodea canadensis.* *Mich.*)

GYMNOCLADUS canadensis.

MENISPERMUM canadense. *M. virginicum.* *M. Lyoni.*

JUNIPERUS communis. *J. virginiana.*

TAXUS canadensis.